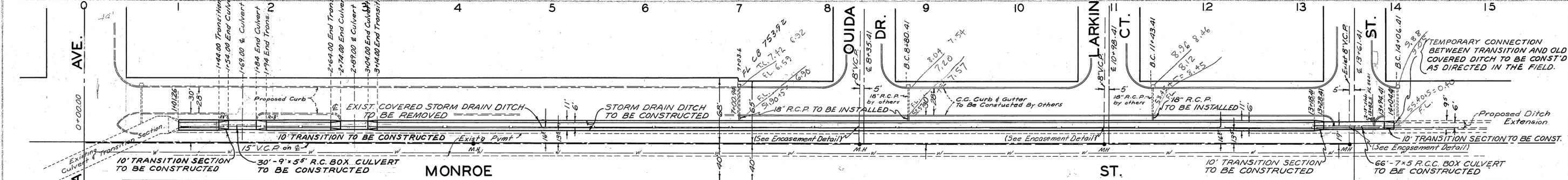
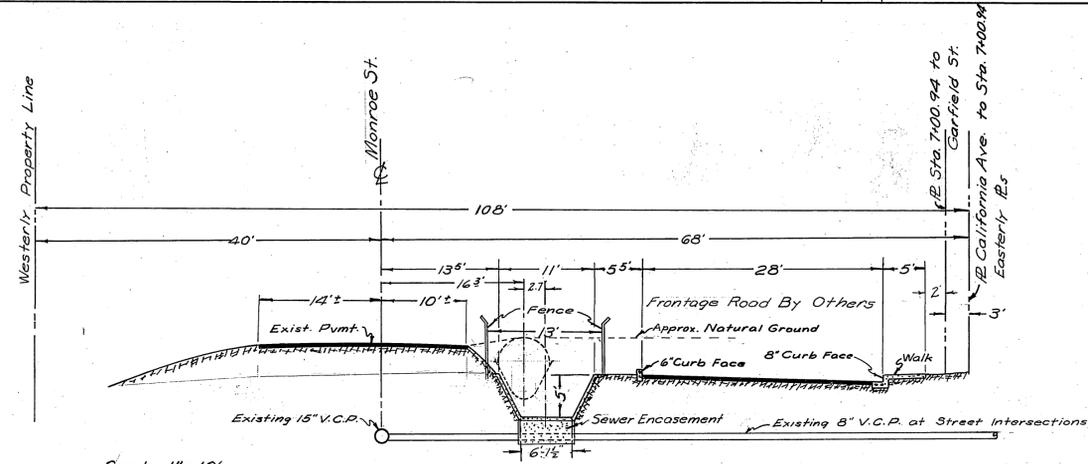


PROJECT	SURVEYED	BY	DATE
PLANNED	BY		
NOTED	BY		
CHECKED	BY		
APPROVED	BY		



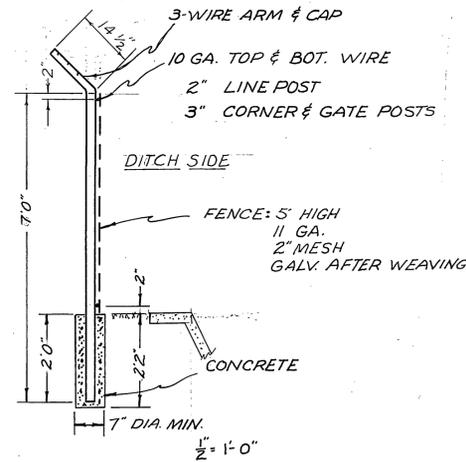
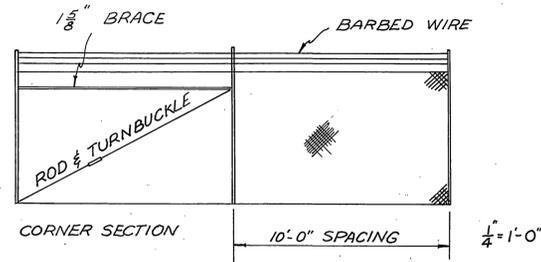
PLAN	SURVEYED	BY	DATE
NOTED	BY		
CHECKED	BY		
APPROVED	BY		



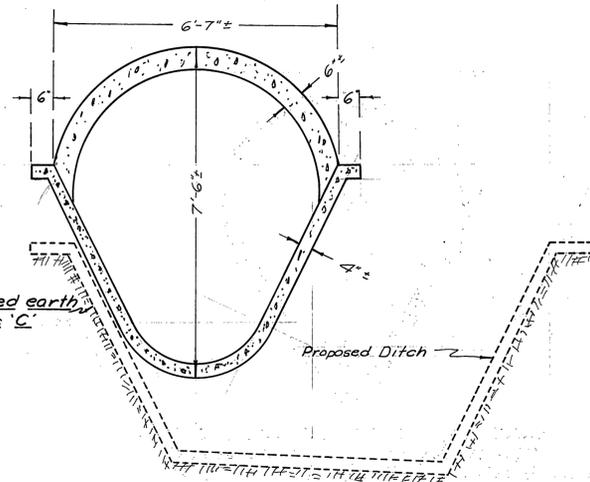
Scale 1"=10'
 MONROE STREET
 TYPICAL CROSS-SECTION
 CALIFORNIA AVE. TO GARFIELD ST.
 (LOOKING NORTH WESTERLY)

VISIONS		CITY OF RIVERSIDE CALIFORNIA DEPARTMENT OF PUBLIC WORKS	
DESCRIPTION		MONROE STREET STORM DRAIN FROM CALIFORNIA AVE. TO GARFIELD ST.	
DESIGNED BY: J.L.B.	CHECKED BY: H.H.	APPROVED BY: <i>[Signature]</i>	D-14
DRAWN BY: J.L.B.	DATE: Oct 18, 1976	DIRECTOR OF PUBLIC WORKS	
REVISIONS:	11-14-56 Add Culvert 169' S. of Calif.	ASSISTANT CITY ENGINEER	SHEET 1 OF 2
	12-4-56 Add Catch Basin Sta. 7+03.5		
	12-18-56 Extend Culvert (169' S. of Calif)		
	12-18-56 Add Culvert Sta. 2+89		
	1-22-56 Shorten Culvert (169' S. of Calif)		
	2-5-57 2-18" R.C.P. Stubs 13+82.5		

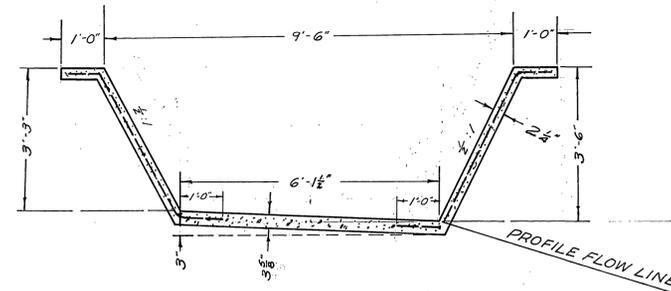
INDEXED



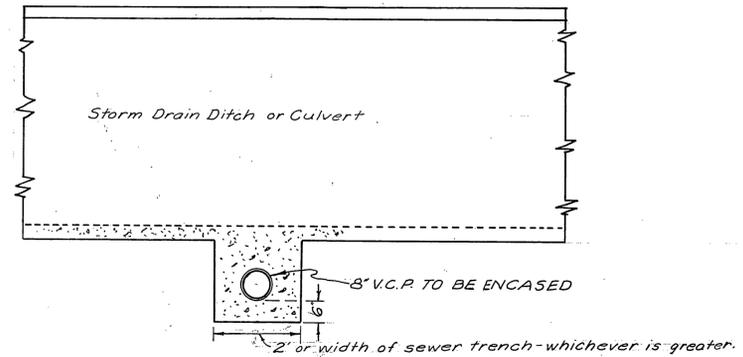
CHAIN LINK FENCE STD. 145



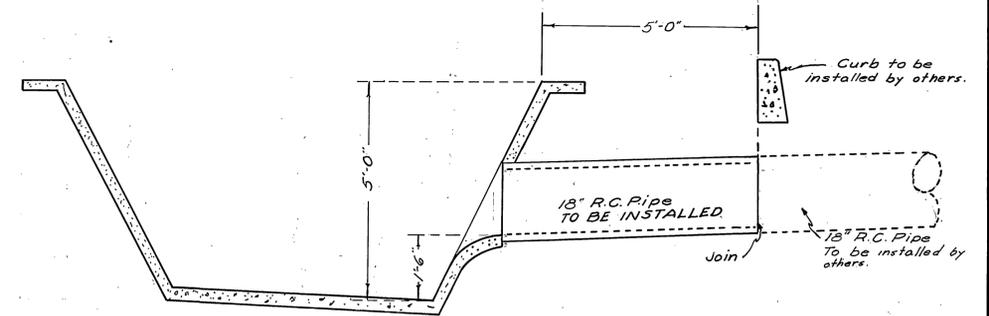
TYPICAL CROSS SECTION COVERED STORM DRAIN DITCH TO BE REMOVED (SIZE AND THICKNESS ARE VARIABLE)



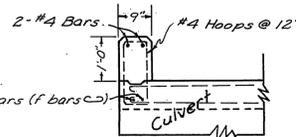
TYPICAL CROSS-SECTION PROPOSED DITCH EXTENSION Transition section south of Garfield St. Culvert to meet this section.



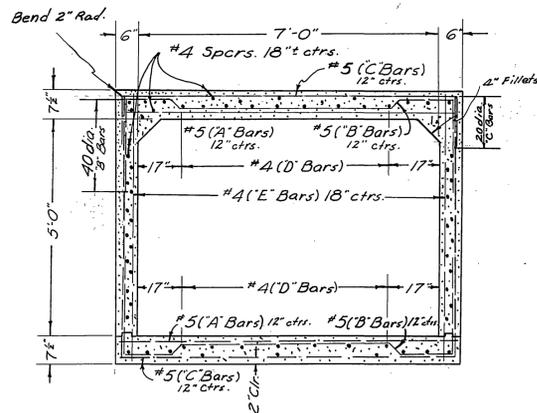
8" V.C. PIPE ENCASEMENT DETAIL



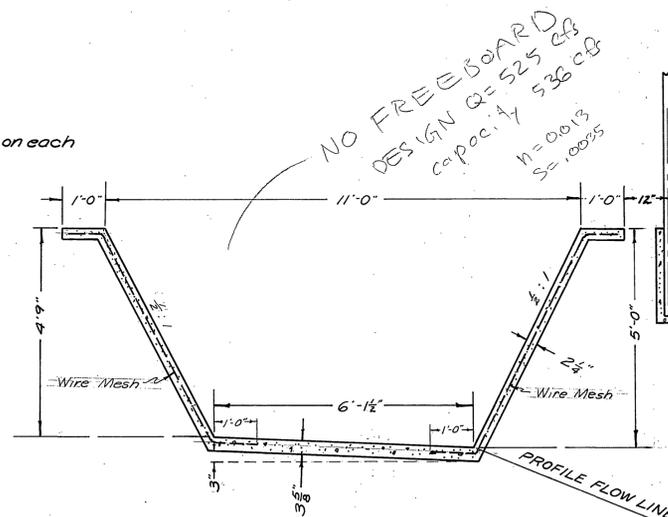
TYPICAL 18" R.C. PIPE LATERAL DRAIN CONNECTION 18" R.C. Pipe to be installed as directed.



PARAPET DETAILS Parapet to be constructed on each end of culvert section.



TYPICAL CROSS-SECTION BOX CULVERT AT GARFIELD ST. Install chain link gate at each end of culvert with 8' wide clear opening.



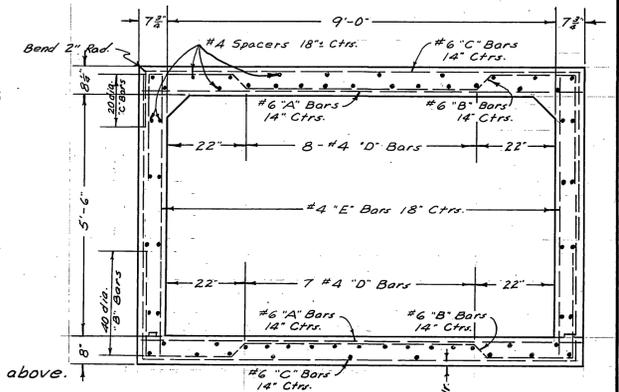
TYPICAL CROSS-SECTION STORM DRAIN DITCH CALIFORNIA AVE. TO GARFIELD ST.

NO FREEBOARD
DESIGN Q = 525 cfs
capacity 536 cfs
n = 0.013
S = 0.0025

FENCE: Fences shall be constructed on each side of ditch with 12" clear from lip as shown.

- NOTE:
- Side walls to be 2 1/2" thk. Gunite reinforced with 4 x 4 x 10 x 10 wire mesh.
 - Bottom to be 3 5/8" unreinforced concrete, Class 'C'.
 - Transition section walls to be 4" thk. Gunite, reinforced, as above.
 - 2" dia. weep holes 12" from ditch bottom @ 8'-0" centers on both sides of ditch.
 - Construct transverse cold joint or dummy groove in bottom 3/4" deep every 16'.
 - The new ditch walls shall be placed against undisturbed earth, or where earth is disturbed, shall be backfilled with Class 'C' Concrete.

Joints between transition sections and culverts shall be continuous or reinforced as directed. Extend wall reinforcement 18" to provide for future ditch extension. Place ditch floor reinforcement to provide for future ditch extension, as directed.



TYPICAL CROSS SECTION BOX CULVERTS 169' & 289' SOUTH OF CALIFORNIA AVE. Construct Parapet Each End (See Detail) Section Scale: 1/4" = 1'-0

REVISIONS		CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	
NO.	DESCRIPTION	DATE	BY

10-31-54 Change Fence Height 8' to 7'
11-14-56 Add Culvert 169' S. of Calif.
12-20-56 Change Position 'C' Bar Lap
12-20-56 Add Culvert 289' S. of Calif.

**MONROE STREET
STORM DRAIN
FROM CALIFORNIA AVE.
TO GARFIELD ST.**

DESIGNED BY J.L.B.	CHECKED BY H.H.	APPROVED BY [Signature]	D-14
DRAWN BY J.L.B.	RECOMMENDED BY	DIRECTOR OF PUBLIC WORKS	
ASSISTANT CITY ENGINEER		DATE Oct 15, 1966	SHEET 2 OF 2